

Lower School Report 1 | Year 8 Autumn Term

Attainment Descriptors

Developing	Improving	Meeting	Exceeding
Students rarely demonstrate that they have met any of the criteria.	Students occasionally demonstrate that they meet some of the criteria for the term.	Students demonstrate that they regularly meet most of the criteria below.	Students almost always demonstrate that they meet all criteria. Often, they will take advantage of opportunities to broaden their understanding of the subject.

Year 7 Science Students work in rotation throughout the year. This means that not all students will have studied the same topics at the time of report issue. Below is a table detailing which topics have been covered by each group. If students have not covered a topic this term, they will do so next term.

Biology Cells and Organisation	Chemistry Materials & Particles	Physics Electromagnetism

Subject	Learning Criteria	Resources to support your child at home
Biology Cells and Organisation	<p>Students can describe the function of the gas exchange system.</p> <p>Students can state the difference between recreational and medicinal drugs.</p> <p>Students can describe the effect of alcohol on health and behaviour.</p> <p>Students can explain the effect of tobacco smoke on health.</p> <p>Students can compare the nutritional content of different foods and diets.</p> <p>Students can describe food tests and the correct positive result for each test.</p> <p>Students can describe some health issues caused by an unbalanced diet.</p> <p>Students can describe the digestive system and the role enzymes and bacteria play.</p>	<p>https://www.bbc.co.uk/bitesize/topics/ztnnb9q/articles/zrs44xs</p> <p>https://www.bbc.co.uk/bitesize/topics/zvrrd2p/articles/zk9t6g8</p> <p>https://www.bbc.co.uk/bitesize/topics/zf339j6/articles/zv8m7yc</p>

<p>Chemistry Materials & Particles</p>	<p>Students can state what an element is and recall the chemical symbols of 16 elements.</p> <p>Students can state what an atom is and represent atoms using particle models.</p> <p>Students can state what a compound is and represent compounds using particle models</p> <p>Students can use chemical formulae to name compounds and determine the relative proportions of each element.</p> <p>Students can describe the structure of a polymer.</p> <p>Students can what the groups and periods of the periodic table tell us about the properties of elements.</p> <p>Students can use data to describe the properties and trends of group 1, 7 and 0.</p>	<p>https://www.bbc.co.uk/bitesize/topics/zstp34j/articles/zngddp3</p> <p>https://www.bbc.co.uk/bitesize/topics/zstp34j/articles/zmsk4xs</p>
<p>Physics Electro- magnetism</p>	<p>Students can recall circuit symbols and draw circuit diagrams.</p> <p>Students can explain how potential difference affects the way components work.</p> <p>Students can explain how resistance affects the way components work and use an equation to calculate resistance.</p> <p>Students can describe what is meant by current.</p> <p>Students can describe what happens to current and potential difference in series and parallel circuits.</p> <p>Students can describe how magnetic field diagrams tell us the strength and direction of a magnetic field.</p> <p>Students can describe how to make and use an electromagnet and how to change the magnetic field strength.</p>	<p>https://www.bbc.co.uk/bitesize/topics/zrvbkqt/articles/zh766g8</p> <p>https://www.bbc.co.uk/bitesize/topics/zgy39j6/articles/zjm8kty</p>